

## **Regulation 14**

### ***Sulphur Oxides (SO<sub>x</sub>) and Particulate Matter***

#### **General Requirements**

1 The sulphur content of any fuel oil used on board ships shall not exceed the following limits:

- .1 4.50% m/m prior to 1 January 2012;
- .2 3.50% m/m on and after 1 January 2012; and
- .3 0.50% m/m on and after 1 January 2020.

2 The worldwide average sulphur content of residual fuel oil supplied for use on board ships shall be monitored taking into account guidelines developed by the Organization.

#### **Requirements within Emission Control Areas**

3 For the purpose of this regulation, Emission Control Areas shall include:

- .1 the Baltic Sea area as defined in regulation 1.11.2 of Annex I, the North Sea as defined in regulation 5(1)(f) of Annex V; and
- .2 any other sea area, including port areas, designated by the Organization in accordance with criteria and procedures set forth in appendix III to this Annex.

4 While ships are operating within an Emission Control Area, the sulphur content of fuel oil

used on board ships shall not exceed the following limits:

- .1 1.50% m/m prior to 1 July 2010;
- .2 1.00% m/m on and after 1 July 2010; and
- .3 0.10% m/m on and after 1 January 2015.

5 The sulphur content of fuel oil referred to in paragraph 1 and paragraph 4 of this regulation shall be documented by its supplier as required by regulation 18 of this Annex.

6 Those ships using separate fuel oils to comply with paragraph 4 of this regulation and entering or leaving an Emission Control Area set forth in paragraph 3 of this regulation shall

carry a written procedure showing how the fuel oil change-over is to be done, allowing sufficient

time for the fuel oil service system to be fully flushed of all fuel oils exceeding the applicable

sulphur content specified in paragraph 4 of this regulation prior to entry into an Emission Control

Area. The volume of low sulphur fuel oils in each tank as well as the date, time, and position of

the ship when any fuel-oil-change-over operation is completed prior to the entry into an Emission

Control Area or commenced after exit from such an area, shall be recorded in such log-book as

prescribed by the Administration.

7 During the first twelve months immediately following an amendment designating a specific Emission Control Area under paragraph 3.2 of this regulation, ships operating in that

Emission Control Area are exempt from the requirements in paragraphs 4 and 6 of this regulation

and from the requirements of paragraph 5 of this regulation insofar as they relate to paragraph 4 of this regulation.